| Index of Claims |              |                  |              |   |               |              |                 |                 |           |                 | ŀ            | Application No. |                 |          |          |         |          |                 |                                  |            |               | Applicant(s) |  |  |         |           |              |              |          |                 |
|-----------------|--------------|------------------|--------------|---|---------------|--------------|-----------------|-----------------|-----------|-----------------|--------------|-----------------|-----------------|----------|----------|---------|----------|-----------------|----------------------------------|------------|---------------|--------------|--|--|---------|-----------|--------------|--------------|----------|-----------------|
|                 |              |                  |              |   |               | <b>.</b><br> |                 |                 | -<br>  -  | <b>        </b> |              |                 |                 |          | 09       | /87     | 5.61     | 9               |                                  |            |               |              |  | DI   | ΧO      | N         | ΕT           | ΑI           |          |                 |
|                 |              |                  |              |   |               |              |                 |                 |           |                 |              |                 |                 |          |          | ami     |          |                 |                                  |            |               |              | +  |  |         |           | <u></u>      |              |          |                 |
|                 |              |                  |              |   |               |              |                 |                 |           |                 |              |                 |                 |          |          |         |          |                 |                                  |            |               |              |  |  |         |           |              |              |          |                 |
|                 |              |                  |              |   |               | ııı i        |                 | LDI II <b>l</b> |           | U ( <b>111)</b> |              |                 |                 |          | Le       | ona     | rd S     | S L             | ang                              |            |               |              |  | 28   | 53      |           |              |              |          |                 |
|                 |              |                  | _            |   |               |              |                 |                 |           |                 |              |                 |                 |          |          | _       |          |                 |                                  |            |               |              |  | Applicant(s)  DIXON ET AL.  Art Unit  2853  Appeal  Objected  Date  Date |         |           |              |              |          |                 |
|                 |              |                  | <sub>v</sub> | <b>D</b> -  | !4            |              |                 |                 |           | (T              | hrou         | gh n            | um              | era      | I)       | 1       |          |                 | FI                               | 4_         |               |              |  |  | Α       |           | _1           |              |          |                 |
|                 |              |                  |              | Rejected  |               |              |                 | -               | -         | •               | Ca           | ance            | llec            | I        |          |         | N        | N               | on-Ele                           | ecte       | a             |              | Α  |  | Аþ      | pe        | aı           |              |          |                 |
|                 |              |                  | П            |   |               |              | ĺ               | r               | 十         |                 |              |                 |                 |          |          | ┪       |          |                 |                                  |            | _             |              | Ħ  |  |         |           |              |              | 1        |                 |
| •               |              |                  | =            | All   | owe           | ed           |                 | ÷               | -         |                 | Re           | stric           | tec             | ı        |          |         | 1        | ln              | terfe                            | renc       | e             |              | 0  | •  | Obj     | ect       | ted          |              |          |                 |
|                 |              |                  | Ш            |   |               | -            | J               | L               |           |                 |              |                 |                 |          |          | J       |          |                 |                                  |            |               | ļ            |  |  |         |           |              |              | J        |                 |
|                 | Cla          | aim              | Г            |   |               | Date         | <br>e           |                 |           | ٦               | Cla          | aim             | Γ               |          |          | Dat     | e        |                 |                                  | ٢          | Clair         | n            |  | -  | -       | Da        | te           |              |          |                 |
|                 |              |                  |              |   |               |              |                 |                 | T         | 1               |              | <u>_</u>        | K               | П        |          | Т       |          |                 |                                  |            | $\overline{}$ |              |  | Т  | Ţ       |           |              | Π            |          | П               |
|                 | Final        | Original         | 1/8/05       |   |               |              |                 |                 |           | 1               | Final        | Original        | \$/80/w         | .        |          |         |          |                 | 1 1                              | '          | Final         | Original     |  |  |         |           |              |              |          |                 |
|                 | ίĽ           | Ö                | 1,8          |   |               |              |                 |                 | 1         |                 | ΙĒ           | Ö               | 2               |          |          |         |          |                 |                                  | i          | ш             | Ö            | 1  |  |         |           |              |              |          |                 |
|                 |              |                  | .,           |   | +-            |              | $\vdash$        | -               | +         | -               | <u> </u>     | 51              | 9               | $\dashv$ | - -      | +       | ╀        |                 | $\dashv\dashv$                   | $\vdash$   |               | 101          | $\dashv$   | +  | +-      | +         | +-           | +            | -        | Н               |
|                 |              | 2                | V            | $\vdash \vdash$   | +-            | +            | $\vdash$        | +               | +         | $\dashv$        |              | 5 <u>2</u>      | $\vdash \vdash$ | $\dashv$ | +        | +       | +-       |                 | $\dashv \dashv$                  | $\vdash$   |               | 102          | -+   | +  | +-      | +         | +            | +            | +        | Н               |
|                 |              | 3                | 7            | $\vdash \!$ | _             | $\dagger$    | $\vdash$        | +               | $\dagger$ | 7               |              | 53.             | -               | $\dashv$ | $\top$   | $\top$  | 1        | -+              | $\dashv \dashv$                  |            |               | 103          | $\Box$   | 十  | 十       | 1         | 1            | 1            |          |                 |
|                 |              | 4                | /            |   |               |              |                 | 丄               | $\perp$   |                 |              | 54              | П               |          |          | ⅃       |          |                 | $\Box$                           |            |               | 104          |  |  |         | T         | $\perp$      | L            | $\Box$   |                 |
|                 |              |                  | V,           | $\sqcup$  | $\perp$       | $\bot$       | $\coprod$       | $-\Gamma$       | 1         | 4               |              | 55              | $\sqcup$        |          | 1        | $\perp$ |          | $\Box$          | $\perp \!\!\! \perp \!\!\! \mid$ | L          |               | 05           |  | _ -  | 4       | $\perp$   | 1            | 1            | $\perp$  | Щ               |
|                 |              | 7                | V            | $\vdash$  | +             | -            | $\vdash$        | +               | +         | 4               |              | 56.<br>57       | $\vdash$        | -        |          | +       | -        | $\vdash$        | +                                |            | +             | 106<br>107   | $\vdash$   | $\dashv$   | +       | +         | +            | +            | $\vdash$ | $\vdash \vdash$ |
|                 | _            | 8                |              | +   | +             | +            | $\vdash$        | +               | +         | $\dashv$        | -            | 58              | H               | _        | +        | +       | +        | $\vdash$        | $\dashv \dashv$                  | -          |               | 108          | -  | +  | +       | +         | +            | +            | +        | Н               |
|                 |              | -8-              | Н            | $\vdash$  | +             | T            | 一               | +               | $\dagger$ | 1               |              | <del>59</del>   | $\Box$          |          | _        |         | T        |                 | $\dashv$                         |            |               | 109          |  | 丁  | ╧       | T         | 丁            | İ            |          |                 |
|                 |              | 78               |              |   |               |              |                 |                 |           |                 | ·            | 60              |                 |          |          |         |          |                 |                                  |            |               | 110          |  |  |         |           |              |              |          |                 |
| -               |              | 7                |              |   |               | 4-           |                 | _               | 4         | 4               |              | 64-             | $ \_ $          | _        | _        | $\bot$  | _        | _               | _                                | <u> </u>   |               | 111          | $\dashv$   | _  | $\bot$  | 4-        | -            | ↓_           | ــ       |                 |
|                 |              | 72<br>13         |              | $\vdash$  | +             | +            |                 |                 | +         | 4               | <u> </u>     | <del>63</del>   | -               | -        | +        | +       | ┼        |                 | $\dashv\dashv$                   | -          |               | l12<br>l13   | $\dashv$   | +  | +       | +-        |              | +-           | -        | H               |
|                 |              | 74               | -            | $\vdash$  | +             | +-           | ╁┼              | +               | +         | -               | -            | 64              |                 | +        | +        | +       | ╁        | -               |                                  | -          |               | 114          | $\dashv$   | +  | +       | ╁         | +-           | ╁╌           | $\vdash$ | Н               |
|                 |              | 15               | Н            | _   | +             | +            | $\Box$          | $\top$          | +         | -               |              | 65              | V               | _        | +        | ╅       | †        |                 | $\dashv \dashv$                  |            |               | 115          | -  | $\top$   | $\top$  | Ť         | +            | †-           | T        | Н               |
|                 |              | 46               |              |   |               | 1            |                 | 工               |           |                 |              | 66              | V,              |          |          |         |          |                 |                                  |            |               | 116          |  |  |         |           |              |              |          |                 |
|                 |              | 17.              |              |   |               | L            | П               | $\perp$         | $\perp$   |                 |              | 67              | $ \mathbf{V} $  |          |          | $\bot$  | _        |                 | $\perp$                          |            |               | 117          |  | $\perp$  | 丄       | $\perp$   |              | 1_           | <u> </u> | Ш               |
|                 |              | 18               |              |   | +             | +            | $\vdash$        | _               | +         | 4               | <u> </u>     | 68              |                 | 4        |          | +       | ┼        | $\dashv$        | $\dashv$                         | L          |               | 118          |  | -  | +       | +         | 4            | +            | +-       | $\square$       |
|                 | ļ            | 19.<br>20.       | -            | $\vdash$  | +             | ╁            | ₩               | +               | ┿         | -               | ⊢            | 69<br>70        | Н               | $\dashv$ |          | +       | +-       | $\dashv$        | $\dashv \dashv$                  | <b> </b> - |               | 119<br>120   |  | _  | +       | ╁         |              | ┿            | ╁╌       | Н               |
|                 |              | 24               |              |   | +             | +-           |                 | ┰               | ╅         | $\dashv$        | $\vdash$     | 71              | Н               | $\dashv$ | $\dashv$ | +       | $\vdash$ | П               | $\dashv \dashv$                  |            |               | 121          | $\vdash$   | $\dashv$   | $\top$  | $\dagger$ | ╁            | +            | 十        | Н               |
|                 |              | 22               |              |   |               |              |                 |                 |           |                 |              | 72              |                 |          |          |         |          |                 |                                  |            |               | 122          |  |  |         |           |              |              |          |                 |
|                 |              | 23               |              |   | ightharpoonup |              |                 |                 | $\perp$   |                 |              | 73              |                 | $\dashv$ |          |         | <u> </u> | $\Box$          | $\perp$                          |            |               | 123          |  | _  | 4.      | 4         | $\downarrow$ | _            | ↓_       | Щ               |
|                 | ļ            | 24               | _            | Н   | _             | -            | $\vdash \vdash$ |                 | +         | 4               |              | 74              | Ы               | $\dashv$ | - -      | - -     | +        |                 | $\dashv$                         | -          |               | 124          | $\vdash$   | _  | +       | +         |              | +            | +        | $\vdash \vdash$ |
|                 | $\vdash$     | 25.<br>26.       | $\vdash$     | $\vdash +$  | +             | +-           | $\vdash$        | +               | +         | $\dashv$        | <del> </del> | 75<br>76        | Н               | $\dashv$ | +        | +       | +        | H               | $\dashv \dashv$                  | -          |               | 125<br>126   | $\vdash$   | +  | +       | +         | +-           | ╁            | +-       | $\vdash \vdash$ |
|                 | <del> </del> | 22               | $\vdash$     | $\vdash \vdash$   | +             | +            | +               | $\dashv$        | +         | 1               |              | 77              | H               | $\dashv$ | 十        | +       | +-       | -               | $\dashv \dashv$                  | -          | - T           | 127          |  |  | $\top$  | 1         | 1            | T            | T        |                 |
|                 |              | <del>-28</del> . |              |   |               |              |                 |                 | I         |                 |              | 78              |                 |          | 工        |         |          |                 |                                  |            |               | 128          |  |  | T       | T         | $\top$       | L            |          |                 |
|                 |              | 29.              | $\Box$       | $\Box$  |               | 1            |                 | $\perp$         | 1         | 4               |              | 79              | Ш               | _        | -        |         | _        | $\vdash$        | $\dashv \dashv$                  |            |               | 129          |  | _  | 4       | +         | -            | ╁-           |          | -               |
|                 |              | 9Q<br>94         | _            | $\vdash$  | +             |              | $\vdash$        | +               | +         | +               | <u> </u>     | 80<br>81        | $\vdash \vdash$ | $\dashv$ |          | +       | +        | $\vdash \vdash$ | $\dashv\dashv$                   | -          |               | 130<br>131   | $\vdash \vdash$                                  | +  | +       | +         | +-           | +-           | +        | $\vdash$        |
|                 | <del></del>  | 38               | $\vdash$     | $\vdash$  | +             | +            | +               | $\dashv$        | +         | $\dashv$        | $\vdash$     | 82              | $\vdash$        | $\dashv$ | +        | +       | +-       | $\vdash$        | +                                | -          |               | 132          | $\vdash$   | +  | +       | +         | +            | $\dagger$    | +        | $\vdash$        |
|                 |              | 33               | $\vdash$     | $\forall$   | +-            | $\top$       |                 |                 | +         | 1               | $\vdash$     | 83              | H               | _        | $\top$   | +       | 1        | H               | $\dashv \dashv$                  |            | -             | 133          |  | _  | 丁       | $\pm$     | 1            | T            |          |                 |
|                 |              | 34               |              |   |               |              |                 |                 |           |                 |              | 84              |                 |          |          |         |          |                 |                                  |            | 1             | 134          |  |  | $\bot$  | T         |              | L            |          |                 |
|                 |              | 35               | V,           | Щ   |               | 1            | $\Box$          | $\perp$         | $\perp$   | _               |              | 85              | Ш               | _        | $\perp$  |         | 1        | Ш               | $\dashv$                         | L          |               | 135          |  | _  | $\bot$  | 4         | 4            | $\downarrow$ | _        | Щ               |
|                 |              | 36               | V,           | $\dashv$  | +             | +            | $\vdash \vdash$ | -               | +         | $\dashv$        | <u> </u>     | 86<br>87        | $\vdash \vdash$ | -        | +        | +       | +        | $\vdash \vdash$ |                                  | -          |               | 136<br>137   | $\vdash \vdash$                                  | $\dashv$   | +       | +         |              | +-           | +-       | $\vdash \dashv$ |
|                 |              | 37<br>38         | V            | $\vdash \vdash$   | +             | +            | $\vdash$        |                 | +         | $\dashv$        |              | 88              | Н               | $\dashv$ |          | +       | +        | $\vdash \vdash$ | $\dashv\dashv$                   | -          |               | 138          | <del>                                     </del> | $\dashv$   | +       | +         | +            | +            | +        | $\vdash \vdash$ |
|                 | <del></del>  | 39               | $\vdash$     | $\forall$   | +             | +            | $\Box$          | $\dashv$        | +         | -               |              | 89              | H               | $\dashv$ | +        | +       | $\top$   | H               | $\dashv \dashv$                  | -          |               | 139          | $\vdash$   |  |         | $\dagger$ | +            | T            | 1        | Н               |
|                 |              | <b>-40</b>       |              |   |               |              |                 |                 | I         |                 |              | 90              |                 |          | ユ        | 工       |          |                 |                                  |            | 1             | 140          |  |  |         | T         |              | Γ            |          |                 |
|                 |              | 41               |              |   | $\Box$        |              | П               | $\Box$          |           | _               | ļ            | 91              | Ц               | $\Box$   | $\perp$  | $\perp$ | 1        | Щ               | $\Box$                           |            |               | 141          | $\Box$   | $\perp$  | $\perp$ | 1         |              | $\perp$      | 1        | Ш               |
|                 |              | 42,              | $\vdash$     | $\vdash$  | +             | -            | ╁┼              |                 |           |                 | ├            | 92<br>93        | Н               |          | $\dashv$ | +       | +        | $\vdash$        | $\dashv$                         | -          |               | 142<br>143   | $\vdash \vdash$                                  |  | - -     | +-        |              | +-           | +-       | ┥               |
|                 |              | 44               | -            | ╟┼  | +             | +            | +               | $\dashv$        | +         | $\dashv$        | -            | 93              | Н               | $\dashv$ | +        | +       | +        | $\vdash \vdash$ |                                  | ·          |               | 144          | $\vdash \vdash$                                  | +  | +       | +         | +            | +            | +        | Н               |
|                 |              | 45               |              | H   | +             | $\top$       | $\sqcap$        | $\dashv$        | +         | $\dashv$        |              | 95              | П               | 十        | $\dashv$ | +       | +        | H               |                                  | 一          |               | 145          | -  | $\neg \dagger$   | $\top$  | +         | +-           | †-           | +-       |                 |
|                 |              | 46.              |              |   | 1             |              | $\square$       | $\perp$         | $\perp$   |                 |              | 96              |                 |          |          |         |          |                 |                                  |            |               | 146          |  |  | $\perp$ | I         |              |              |          |                 |
|                 |              | 47               | $\vdash$     | $\sqcup$  | 1             | $\perp$      | $\prod$         | 1               | 1         | 4               | <u> </u>     | 97              | $\sqcup$        | _        |          | $\perp$ | 1        | $\sqcup$        |                                  |            |               | 147          |  | _  |         | 4         | 4            | 1            | 4        | Ш               |
|                 | L            | 48.              | L            |   |               |              |                 |                 |           |                 |              | 98              |                 |          |          |         |          |                 |                                  |            |               | 148          | $\sqcup$   |  |         |           |              |              |          |                 |